

ORIGINS TECHNOLOGY SUMMARY

REQUIRED CAPABILITY		PERFORMANCE GOALS					TECHNOLOGY OPTIONS				
DESCRIPTION	PRIORITY	METRICS	UNITS	SIM	NGST	TPFA	DESCRIPTION	SOA	LIMIT	DEMO?	
Integrated Modeling	High	Disciplines Covered > Optics focal plane > Structures > Thermal > Control > Multi-body Dynamics Number DOF's Number DOF's Runtime on Sparc 20 User Interface	Y/N Y/N Y/N Y/N Y/N unitless unitless min	Y Y Y Y Y 6000 6000 6000	Y Y Y Y Y 6000 6000 6000	Y Y Y Y ? 6000 6000 6000	IMOS (JPL) Multi-body Dynamics DOF Runtime Interface	Optics focal plane Structures Thermal Control Multi-body Dynamics DOF Runtime Interface	COMP/MACOS COMP/MACOS NASTRAN TRAY/SINDA MATLAB N multiple fast moderate		
							TAOS (BALL)	Optics focal plane Structures Thermal Control Multi-body Dynamics DOF Runtime Interface	Y ? Y Y Y ? multiple moderate standard		

Integrated Optical System Modeling